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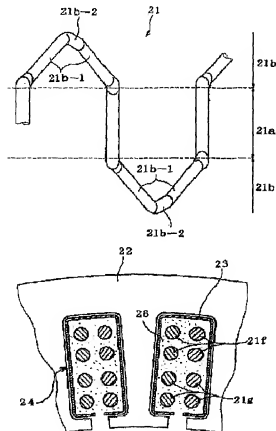
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TITLE : AC GENERATOR FOR VEHICLE



ABSTRACT : **PROBLEM TO BE SOLVED:** To improve cooling capability remarkably and to achieve excellent electric insulation and heat resistance, by spacing each electric conductor and making thickness of an insulating layer thinner than that in a storing part positioned inside a slot.

SOLUTION: Impregnating treatment 26 is provided in storing parts inside slots of electric conductors so that the portion between an iron core 22/insulator 23 and electric conductors 21 and the portion between each electric conductor 21 can be fixed reliably. The total thickness of the insulating layer in the storing parts positioned inside the slots is made thicker by the thickness of the impregnating treatment than that in a bridging part. The thickness of the insulating layer, which is attributed to the poor heat radiation capability of the electric conductors 21, is made thinner. Slot storing parts 21a are electrically insulated completely with the insulator 23, while bridging parts 21b are electrically insulated completely by spacing them without interfering each other. This design makes it possible to improve the heat radiation remarkably from the surface of the bridging parts of the electric conductors, thereby drastically reducing the temperature rise of the electric conductors of a stator.

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